Dr. Shehnaz Ara Rahman

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PERSONAL INFORMATION

Name	·	Shehnaz Ara Rahman
Father's Name	·	Md. Sayadur Rahman
Mother's Name	·	Manjula Begum
Date of Birth	·	17-01-1991
Marital Status	·	Single

EXPERIENCE

01-12-2021 − PRESENT

ASSISTANT PROFESSOR, SCHOLARS INSTITUTE OF TECHNOLOGY AND MANAGEMENT

SUBJECT TAUGHT: Structural Design I & II · Fluid Mechanics · Open Channel flow and Irrigation Engineering · Engineering Hydrology · Environmental Engineering I · Water Resources Engineering · Water Power Engineering

UG Project Title:

1. Analysis of the quality of water of Guwahati using Hydrological Engineering Centre's River Analysis System (HEC-RAS) (**Completed).**
2. Interrelationship of physical, biological and chemical characteristics of water using Artificial Neural Network (ANN) (**Ongoing).**

EDUCATION

NAME OF THE EXAMINATION	UNIVERSITY/BOARD	NAME OF THE INSTITUTE	YEAR	PERCENTAGE
Ph.D.	Deemed University	NIT, Silchar	2022	-
M. Tech.	Deemed University	NIT, Silchar	2015	86.8
B.Tech	Deemed University	The ICFAI University	2012	67.6
HS(class XII)	AHSEC	Jagiroad College	2008	54.8
HSLC (class X)	SEBA	Jagiroad Higher Secondary School	2006	63.9

PUBLICATIONS

International Journals

1. **Shehnaz Ara Rahman** and Dibakar Chakrabarty. *"Sediment Transport Modelling in an alluvial river with Artificial Neural Network."* **Journal of Hydrology** (2020): Volume 588, 125056. https://doi.org/10.1016/j.jhydrol.2020.125056. **(Published).**

2. **Shehnaz Ara Rahman** and Dibakar Chakrabarty. *"Effect of input and target data sets on modeling of sediment transport in alluvial rivers using Artificial Neural Network."* **Hydrological Sciences Journal**, Volume 67, Pages 205-221, https://doi.org/10.1080/02626667.2021.1998508. **(Published).**

3. **Shehnaz Ara Rahman** and Dibakar Chakrabarty. *"Effect of missing data on the performance of sediment transport model."* **International Research Journal of Modernization in Engineering Technology & Science** (2021). **(Published).**

International Conferences

1. **Shehnaz Ara Rahman** and D. Chakrabarty. *"Optimal gate setting and its effect on downstream sedimentations in a dam-river system",* In **7th International Conference on Emerging Technologies in CEAEGS-2015** organized by Krishi Sanskriti, Volume 2, Number 7; April-June, 2015 pp.607-610.

PROJECTS AND TRAINING

Courses	Year	Title	Institute / Company
M.Tech. Final Year Project	2015	Optimal gate setting and its effect on downstream sedimentation in a dam-river system using hec-ras	NIT Silchar (Under the guidance of Prof. Dibakar Chakrabarty)
B.E. Final Year Project	2012	Detail assessment of Internship in Agartala Municipal Council	Agartala Municipal Council (AMC)
IP-II Project	2010	" An overview of Nagarjuna Construction Company", "Quantity Estimation"	Nagarjuna Construction Company (NCC)
IP-I Project	2009	An overview of Autism	Ashadeep Mental Health Society

WORKSHOPS/SEMINARS PARTICIPATED

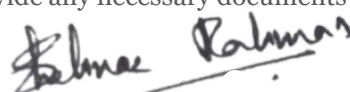| Title	Duration	Organised By
Applications of Soft Computing Techniques in Engineering	3 days	NIT Silchar
Mathematical Methods in Physics Sciences	3 days	NIT Silchar
Recent Advancement in Soil and Water Interactions Studies	One Week	NIT Silchar
Applications of GIS Techniques in Engineering	One Week	NIT Silchar
Dynamic Response and Structural Health Monitoring Training on Rapid Visual Screening	One Week	NIT Silchar and National Institute of Disaster Management, New Delhi.

TECHNICAL PROFICIENCY

Programming Language: MATLAB;
Software: Hydrological Engineering Centre's River Analysis System (HEC-RAS); AutoCAD; Origin.

DECLARATION

I consider myself familiar with Civil Engineering aspects. I hereby declare that the above-mentioned information is true to the best of my knowledge. I can provide any necessary documents supporting the above.

Place: Guwahati   **(SHEHNAZ ARA RAHMAN)**